

**REMARKS**

Applicant respectfully requests reconsideration of the subject application as amended. In response to the Office Action mailed 9/9/04, Applicant is filing this amendment. Claims 65-68 and 78-81 are still pending.

In the Office Action mailed 9/9/04, the Examiner has rejected claims 65, 66, 78 and 79 under 35 U.S.C. §102(b) as being anticipated by Jeddelloh (U.S. Patent 6,049,855). Furthermore, the Examiner has rejected claims 67-77 and 80-90 under 35 U.S.C. §103(a) as being unpatentable over Jeddelloh and further in view of well-known features of which Official Notice is taken. Applicant submits that Jeddelloh fails to disclose the elements of the independent claims, as now amended. Jeddelloh discloses a segmented memory system employing different interleaving scheme for each different memory segment. Jeddelloh discloses separate memory controllers **52** and **62**, each respectively in separate system controllers **16** and **18**, for coupling to respective separate system memories **12** and **14**. The claimed embodiments of the present invention recite separate channel control circuits in the same memory controller. Furthermore, the amended claims recite programmable registers in the channel control circuits to indicate starting and ending addresses for chip select mapping of the respective memory section. The channel control circuits also include programmable channel registers to indicate the interleaving of the channels when mapped, in which the interleaved channels are to be mapped into sub-regions of one or more chip select mapped regions. These aspects of the claimed embodiments are not disclosed in Jeddelloh. Applicant submits that the elements of the amended claims are also not well-known to take official notice.

Accordingly, Applicant respectfully requests for the withdrawal of the rejections based on 35 U.S.C. §102(b) and 35 U.S.C. §103(a). Applicant further requests for the allowance of pending claims 65-68 and 78-81, as amended.

If there are any fee shortages related to this response, please charge such fee shortages to Deposit Account No. 50-2126.

Respectfully submitted,

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